

## CLIMATOLOGICAL DATA FOR APRIL, 1911.

## DISTRICT NO. 1, NORTH ATLANTIC STATES.

WILFORD M. WILSON, District Editor.

## GENERAL SUMMARY.

The decided contrast in the character of the present season and that of 1910 was a prominent feature of both March and April. In all parts of the district the current season is said to be from two to three weeks later than usual, but this condition is regarded not wholly as a disadvantage, because of the fact that little damage is expected to result from the late spring frosts. On the other hand, the low temperatures that prevailed until the last week of the month were quite unfavorable to active agricultural operations, such as are necessary to secure the best results. In the Northern States the ground was frozen much of the time, while in the Southern States of the district the soil was generally too cold and wet to permit the extensive planting usually done within the first half of April. Very little warm weather occurred before the 25th, and in nearly all parts of the district the average temperature for the month was lower than it had been in any April since 1907. Between the 2d and 4th the weather was exceptionally cold, several stations in the Northern States recording temperatures of  $0^{\circ}$  to  $-10^{\circ}$ .

Although the month was much cooler than usual, there was abundant sunshine with a decided preponderance of clear weather, except in the southern part of the district, as might be expected from the fact that areas of high pressure covered the Northern States so much of the time as to make the average barometric pressure for the month nearly one-tenth of an inch higher than the normal. The number of days with precipitation was much less than usual in the Northern States, and none of the storms that passed over the district were of more than ordinary intensity. There was a marked deficiency of rainfall over most of the Northern States, with little or no precipitation after the 14th in parts of eastern New York and most of Vermont and New Hampshire, but the effect upon the condition of the soil and water supply was not sufficient to produce much comment. However, there was a noticeable effect of this dry period on the forest fires that broke out shortly after the close of the month.

## TEMPERATURE.

The average temperature for the district was  $46.4^{\circ}$ , which is more than  $2^{\circ}$  below the normal and nearly  $7^{\circ}$  less than the average for April, 1910. For that part of Virginia included in the district the average temperature was  $50^{\circ}$ , while the average for the New England States was only  $41.3^{\circ}$ . At individual stations the mean temperatures ranged from  $53.1^{\circ}$  at Doswell, Va., to  $34.8^{\circ}$  at Morehouseville, N. Y. The month was cooler than usual in practically all parts of the district, though there were 12 stations where the mean temperature was slightly above normal. The deficiency in temperature was

greatest in Virginia, where at one station, Staunton, it averaged  $6.7^{\circ}$  daily.

There was a marked uniformity of weather conditions over the district throughout the month, cool weather prevailing in all sections on the 1st, followed by a general decrease in temperature until the 3d or 4th, and moderately cool weather with slight interruptions and variations from the 5th until the 25th, when a decidedly warm period set in and continued until the 30th.

The lowest temperatures occurred chiefly on the 3d, though at many stations they were recorded on the 2d or 4th. The 2d, 3d, and 4th formed an exceptionally cold period, and in a large part of the district lower temperatures occurred on one or more of these dates than have appeared in any April records previously published. On the 2d the minimum temperature at Bloomfield, Vt., was  $-8^{\circ}$ , and at St. Johnsbury, Vt., it was  $0^{\circ}$ , which is  $9^{\circ}$  below the lowest previous April record for 17 years. At Newcomb, N. Y., the minimum on the 3d was  $-10^{\circ}$  and the following day it was  $-9^{\circ}$ . Previous to this year the records for all that part of New York included in the district show no instances of temperatures below zero. Even as far south as Frostburg, Md., this cold period produced a temperature of  $5^{\circ}$ , while at several stations in West Virginia the temperature fell to  $6^{\circ}$ . In these localities the lowest April records for previous years range from about  $9^{\circ}$  to  $12^{\circ}$ .

From the 5th to the 25th the temperatures present no important features, but after the 25th the weather was warm both night and day and caused a remarkable growth in every kind of vegetation. The highest temperatures occurred chiefly about the 29th and were not of unusual character, being close to  $80^{\circ}$  at most stations. The highest temperature recorded in the district was  $92^{\circ}$  at Lincoln, Va., on the 29th, but temperatures above  $88^{\circ}$  were not observed at any other station. The highest temperature recorded in Pennsylvania was only  $84^{\circ}$  and in West Virginia  $82^{\circ}$ .

## PRECIPITATION.

The average precipitation for the district was 3.02 inches, which is nearly equal to the normal, but some sections received an excessive amount of rainfall, while others experienced remarkably dry weather. In New Jersey the average amount was 4.11 inches, but in New York it was only 2.18 inches. The greatest irregularity in the distribution of rainfall appeared in New York, where the total precipitation varied from 5.80 inches at Southampton, on Long Island, to 0.38 inch at Griffin Corners, on the northwestern slope of the Catskills. These stations reported the greatest and least amounts of precipitation not only for New York, but also for the entire district. From Pennsylvania southward the precipitation was abundant, and well distributed; in fact,

there were no important departures from the normal, no storms of unusual character, and no marked wet or dry periods. The same can be said of Connecticut, Rhode Island, southeastern Massachusetts, and the extreme southern part of New York. Farther north the precipitation was generally light, and at most stations it was between 1 and 2 inches less than the normal. The number of rainy days also was very low in the Northern States. In Maine, New Hampshire, Vermont, and part of New York they averaged less than 5, and at several stations in each of these States precipitation of measurable amount did not occur on more than 3 days.

Five well-developed disturbances passed over the district within the month, causing extensive precipitation, which, in two instances, may be said to have covered the entire district. These storms were central over the district about the 5th, 9th, 14th, 20th, and 22d. The first and third moved over the Lake region and down the St. Lawrence Valley and caused moderately heavy rainfall in all parts of the district except that several inches of snow fell in Maine on the 5th. The second moved northeastward near the coast and was attended by a snowfall of 1 to 7 inches in Pennsylvania, New Jersey, and the southern parts of New York and New England, while moderate rains resulted over the southern States of the district. The fourth and fifth storms developed near Virginia and moved northeastward scarcely affecting the weather of the northern half of the district; the former caused heavy rains northward to Massachusetts, but the latter produced no precipitation of importance beyond Pennsylvania and New Jersey.

There were practically no instances of excessive rates of rainfall within the month; the greatest amount reported for 24 hours was 2.51 inches at Nantucket, Mass., on the 19th and 20th, which barely exceeds the lowest value considered excessive. The records show only a few other instances of 24-hour rainfalls exceeding 2 inches, or even of single storms producing that amount, but all such instances occurred near Long Island Sound or in New Jersey.

#### SNOWFALL.

The snowfall of the month was about equal to the average amount for April, and consisted mainly of that which occurred on the 5th and the morning of the 9th. The total snowfall at Eastport, Me., was 19.1 inches, which was the greatest amount recorded within the district. Some snow fell over all parts of New England, and practically all of New York, but in all other States some localities received none.

#### RIVER CONDITIONS.

In northern New England and New York the rivers were frozen over for several of the first days of the month. On the Mohawk and the upper Hudson the ice did not break up until about the 6th or later. At Northville, N. Y., and Matteawankeag, Me., the Sacandaga and Penobscot Rivers remained icebound until the 13th. Low river stages prevailed throughout the month in the Northern States, but the streams of Pennsylvania and the southern part of the district maintained a good volume of water, the average stages at several stations being the highest for April in the last 5 to 10 years. However, there were no instances of rapid rise or fall in any of the principal streams.

#### SUNSHINE.

The average amount of sunshine for the district was 247 hours, which is only 10 hours more than the average for the preceding month. Contrary to usual conditions, the greatest amount of sunshine fell upon the Northern States; at Boston, Mass., the percentage of the possible sunshine was 75, while at Mount Weather, Va., it was only 48. The average number of days with 80 per cent or more of the possible sunshine was 12, and with 20 per cent or less, was 6.

The number of days with 0.01 inch or more of precipitation averaged 10, the number of clear days 12, partly cloudy days 9, and cloudy days 9.

TABLE 1.—Climatological data for April, 1911. District No. 1, North Atlantic States.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmeasured).	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Maine.</i>																				
Bar Harbor.	Hancock.	20	25	40.3	-0.9	83	29	12	3	44	1.70	-1.41	0.60	12.5	5	20	4	6	sw.	William Miller.
Cornish.	do.	773	56	42.2	-0.6	97	29	7	2	50	1.16	-2.37	0.84	7.5	3	14	10	6	nw.	T. H. West.
Eastport.	Washington.	53	39	38.8	+0.5	75	29	12	3	32	2.55	-0.39	0.90	19.1	10	11	13	6	nw.	U. S. Weather Bureau.
Fairfield.	Somerset.	90	26	41.3	+2.2	86	29	11	3	49	0.58	-1.19	0.58	4.5	1	13	9	8	.....	E. F. Parker.
Gardiner.	Kennebec.	163	19	40.9	-	85	29	12	2	48	0.78	-	0.50	7.0	5	21	2	7	sw.	Sam'l. D. Soule.
Greenville.	Piscataquis.	1,000	7	40.4	-	78	28	6	3	43	0.95	-	0.50	8.0	6	22	2	6	w.	U. S. Weather Bureau.
Houlton.	Aroostook.	362	9	42.6	-	78	28	6	3	43	0.95	-	0.50	8.0	4	15	9	6	nw.	Bangor & Aroostook R. R.
Lewiston.	Androscoggin.	185	37	41.4	-0.4	86	29	14	3	46	1.00	-1.99	0.70	8.0	3	15	9	6	nw.	Union Water Power Co.
Madison.	Somerset.	257	8	37.4	-	85	30	4	4	45	0.93	-	0.52	5.5	5	23	1	6	nw.	Wm. Jardine.
Millinocket.	Penobscot.	336	8	39.5	-	84	29	7	2	49	1.08	-	0.33	5.5	7	15	4	11	nw.	H. S. Ferguson.
North Bridgton.	Cumberland.	450	18	40.6	-2.3	85	29	8	4	50	0.91	-1.92	0.63	6.0	6	17	7	6	.....	G. E. Chadbourne.
Orono.	Penobscot.	129	42	40.9	+0.4	85	29	9	3	51	1.18	-1.58	0.50	6.0	7	13	8	9	nw.	Agricultural Exp. Station.
Patten.	do.	580	9	37.0	-	80	29	-	1	24	1.02	-	0.32	7.0	5	14	10	4	w.	Bangor & Aroostook R. R.
Portland.	Cumberland.	99	40	41.1	-1.9	80	28	16	3	32	2.25	-0.86	1.45	8.5	6	14	8	8	nw.	U. S. Weather Bureau.
Presque Isle.	Aroostook.	1	37.3	-	80	28	3	2	47	1.03	-	1.00	10.0	2	17	8	5	w.	State Normal School.	
Rumford Falls.	Oxford.	505	18	38.1	-2.3	78	30	6	2	38	0.76	-1.77	0.60	5.4	5	19	7	4	nw.	C. A. Mixer.
Winslow.	Kennebec.	90	16	41.4	-	83	29	11	4	47	0.50	-	0.48	5.0	3	19	7	4	w.	Hollingsworth & Whitney Co
<i>New Hampshire.</i>																				
Alstead Center.	Cheshire.	1,120	7	40.0	-	80	29	11	2	39	0.92	-	0.49	4.0	3	18	9	3	nw.	Frank Dewing.
Benton.	Grafton.	1	38.4	-	79	29	5	2	34	0.67	-	0.26	7.5	6	16	5	9	nw.	State Sanatorium.	
Bethlehem.	do.	1,470	19	37.4	-3.1	80	30	5	3	41	0.92	-1.10	0.28	6.0	6	13	4	8	nw.	Benj. Tucker.
Concord.	Merrimack.	350	51	42.4	-1.4	85	29	15	4	46	1.46	-1.33	0.69	8.3	5	13	11	6	nw.	U. S. Weather Bureau.
Durham.	Stafford.	88	16	43.0	-1.0	84	29	14	4	46	1.27	-1.39	0.59	1.3	3	20	2	8	nw.	Agricultural Exp. Station.
Franklin.	Merrimack.	440	12	42.0	-	86	29	11	4	50	1.34	-	0.74	8.0	5	16	10	4	nw.	Dr. C. P. Webster.
Grafton.	Grafton.	803	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.....	P. R. Kimball.
Hanover.	do.	603	77	39.9	-1.7	84	29	6	4	51	0.97	-0.72	0.35	7.5	6	13	10	7	nw.	Dartmouth College.
Keene.	Cheshire.	506	26	41.3	-2.8	85	29	12	4	51	1.15	-1.16	0.49	8.0	4	16	7	7	nw.	Sam'l. Wadsworth.
Nashua.	Hillsboro.	125	26	44.2	-1.3	86	29	16	4	47	1.93	-0.48	0.85	11.0	4	-	-	-	.....	Jackson Co.
Newton.	Rockingham.	23	42.0	-2.4	84	29	11	4	47	1.53	-0.88	1.03	6.0	3	14	14	2	nw.	W. C. Gale.	
Plymouth.	Grafton.	500	23	38.1	-3.1	81	29	2	4	49	1.31	-0.98	0.50	9.0	5	19	5	6	w.	Hattie G. Trow.
<i>Vermont.</i>																				
Bloomington.	Essex.	4	35.2	-	80	29	-	8	2	50	1.22	-	0.54	2.0	8	17	10	3	s.	Lyman Falls L. & P. Co.
Cavendish.	Windsor.	910	8	39.8	-	86	29	3	4	51	1.04	-	0.78	6.0	2	22	4	4	w.	Miss M. A. Kingsbury.
Chelsea.	Orange.	830	16	35.8	-4.1	75	29	-	4	24	0.87	-0.76	0.40	8.0	6	18	5	7	n.	W. F. Dewey.
Jacksonville.	Windham.	1,000	26	35.9	-4.9	81	30	2	3	55	2.24	-1.04	1.30	15.0	6	16	11	3	nw.	Martha French.
Manchester.	Bennington.	980	12	41.2	-	79	29	11	2	36	0.61	-	0.41	2.0	2	15	11	4	sw.	N. M. Canfield.
St. Johnsbury.	Caledonia.	711	18	38.3	-3.5	84	29	0	4	50	1.01	-1.09	0.52	9.0	7	15	8	7	nw.	Fairbanks Museum.
Woodstock.	Windsor.	700	19	38.8	-3.0	80	30	2	3	43	0.97	-1.73	0.71	10.0	3	10	7	13	.....	John S. Eaton.
<i>Massachusetts.</i>																				
Amherst.	Hampshire.	222	22	43.6	-1.8	86	29	18	4	44	1.87	-1.16	0.60	6.5	5	21	5	4	nw.	Agricultural Experiment Station.
Blue Hill.	Norfolk.	640	27	43.3	-1.2	81	29	18	2	34	2.86	-0.16	1.24	10.1	11	14	7	9	w.	Blue Hill Observatory.
Boston.	Suffolk.	124	41	46.1	+0.8	80	27	23	2	31	2.28	-1.27	1.23	7.7	8	11	11	8	w.	U. S. Weather Bureau.
Chestnut Hill.	do.	124	31	45.6	-1.0	84	28	19	4	44	2.55	-0.90	1.05	2.5	7	22	3	5	.....	Met. Water Board.
Clinton.	Worcester.	370	15	44.4	-	84	29	17	3	35	2.36	-	1.22	6.8	8	19	2	9	.....	Do.
Fall River.	Bristol.	200	45	43.9	-2.5	75	29	22	2	29	3.69	-0.20	1.15	12.0	10	15	12	3	nw.	C. V. S. Remington.
Fitchburg.	Worcester.	550	28	44.0	-1.6	85	28	15	4	41	1.63	-1.34	0.59	6.0	8	20	3	7	nw.	Dr. A. P. Mason.
Framingham.	Middlesex.	160	31	44.1	-2.6	83	29	17	4	42	2.70	-0.51	1.48	6.2	6	16	11	3	nw.	Met. Water Board.
Hyannis.	Barnstable.	31	20	42.0	-4.5	73	29	22	3	30	4.99	-1.78	1.83	8.5	10	16	11	3	nw.	C. F. Sleeper.
Lawrence.	Essex.	51	27	43.3	-2.8	85	29	17	4	43	1.89	-0.87	1.24	8.5	4	12	15	3	nw.	Essex Company.
Lowell.	Middlesex.	100	26	44.6	-0.7	83	28	17	4	41	1.99	-1.49	1.23	4	4	20	17	3	nw.	Props. Locks & Canals.
Middleboro.	Plymouth.	53	25	42.8	-1.9	82	29	15	4	43	3.32	-0.20	1.29	4.8	9	12	9	9	nw.	A. R. Gurney.
Plymouth.	Hampden.	100	24	44.6	-0.7	83	28	17	4	41	1.99	-1.49	1.23	5.0	6	18	13	3	nw.	Dr. G. E. Fuller.
Provincetown.	do.	40	24	41.8	-3.0	73	28	24	2	28	2.25	-0.65	1.04	3.0	4	24	0	6	.....	Props. Locks & Canals.
Rockport.	Essex.	25	9	41.7	-	70	28	22	2	28	3.00	-	0.76	5.0	5	12	12	6	nw.	C. F. B. Earle.
Rutland.	Worcester.	1,160	9	42.6	-	82	29	14	1	30	2.47	-	1.33	9.8	6	17	6	7	nw.	State Sanatorium.
South Egremont.	Berkshire.	764	9	38.5	-	76	29	12	4	42	2.25	-	0.85	8.0	6	16	6	7	nw.	R. C. Taft.
Turners Falls.	Franklin.	200	20	42.6	-3.0	83	29	19	4	42	2.02	-0.51	1.02	10.2	5	11	12	7	nw.	Turners Falls Co.
Westboro.	Worcester.	298	37	45.8	-0.4	83	28	16	4	44	2.85	-0.15	1.60	8.0	5	11	12	7	w.	G. S. Newcomb.
Williamstown.	Berkshire.	711	20	42.2	-1.8	79	29	17	2	39	1.12	-1.41	0.43	6.2	5	11	12	7	nw.	Williams College.
Worcester.	Worcester.	518	19	44.8	-1.2	80	29	20	2	37	2.17	-0.85	0.59	9.2	8	14	6	10	nw.	G. W. Swan.
<i>Rhode Island.</i>																				
Block Island.	Newport.	26	31	42.2	-1.6	69	29	26	2	22	4.50	+ 0.88	2.02	4.7	8	17	0	13	sw.	U. S. Weather Bureau.
Bristol.	Bristol.	53	25	43.0	-2.1	68	29	24	2	25	3.73	+ 0.44	1.14	4.2	9	17	6	7	s.	N. G. Herreshoff.
Kingston.	Washington.	250	22	41.8	-3.0	79	29	17	3	34	4.96	+ 0.73	2.10	9.0	8	17	2	11	sw.	Nathaniel Heime.
Narragansett Pier.	Newport.	22	29	41.6	-3.1	72	29													

TABLE 1.—Climatological data for April, 1911. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.				Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (inches).	Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>New York.</i>																				
Addison.	Steuben.	1,000	21	44.7	-1.1	83	29	15	3	47	2.30	-0.16	0.72	5.0	11	21	2	7	sw. nw.	Dr. H. R. Ainsworth.
Albany.	Albany.	97	90	45.4	-0.4	84	29	20	2	38	1.15	-1.24	0.41	4.5	8	16	10	4	U. S. Weather Bureau.	
Alfred.	Allegany.	1,076	16	44.1 <sup>c</sup> + 0.9	76	28	10	3	41 <sup>a</sup>	2.95	+ 0.14	0.79	6.5	8	5	21	8	w.	Prof. F. S. Place.	
Amsterdam.	Montgomery.	277	7	42.3	.....	83	29	14	2	41	1.56	.....	0.61	2.0	6	13	12	6	nw.	Emory Elwood.
Athens.	Greene.	90	9	45.0	.....	85	29	81	2	40	1.68	.....	0.58	7.0	6	14	10	6	ne.	E. C. Brooks.
Ballston Lake.	Saratoga.	400	7	42.4	.....	83	29	13	2	45	1.57	.....	0.90	2.0	6	14	10	6	ne.	George R. Schauber.
Bedford.	Westchester.	450	20	45.9	-1.7	84	29	21	2	35	2.11	-1.34	0.53	3.5	8	5	20	10	w.	Dr. L. Rosenburg.
Binghamton.	Broome.	875	20	43.8	-0.6	79	29	17	2	35	1.70	-0.55	0.42	1.8	11	6	10	14	w.	U. S. Weather Bureau.
Bouckville.	Madison.	1,350	14	40.4	-1.4	79	29	6	3	36	1.45	-1.35	0.30	5.5	5	12	5	13	nw.	L. W. Griswold.
Boyd's Corners.	Putnam.	560	29	.....	.....	.....	.....	.....	.....	3.74	+ 0.30	.....	.....	.....	.....	.....	.....	.....	.....	Thomas Manning.
Carmel.	do.	500	19	43.4	-4.6	83	30	18	2	37	3.10	-0.24	0.93	6.5	9	20	8	2	ne.	Do.
Chatham.	Columbia.	470	10	44.7	-1.0	84	28	16	2	42	1.51	-1.50	0.57	6.0	5	16	9	5	n.	Morton R. Tank.
Cooperstown.	Otsego.	1,250	57	.....	.....	.....	.....	.....	.....	1.47	-1.25	0.55	3.3	6	16	8	6	s.	Miss Elizabeth C. Keese.	
Corinth.	Saratoga.	542	9	.....	.....	.....	.....	.....	.....	1.08	.....	0.80	.....	.....	.....	4	4	4	.....	A. M. Hollister.
Cortland.	Cortland.	1,129	49	44.9	+ 2.2	81	28 <sup>b</sup>	16	2	38	1.62	-1.34	0.46	6.1	11	13	8	9	nw.	F. G. Baker.
Cutchogue.	Suffolk.	32	34	44.6	-2.1	77	29	24	2	32	5.31	+ 1.45	2.09	6.0	9	16	5	5	.....	William A. Fleet.
De Ruyter.	Madison.	1,300	8	42.6	.....	81	28 <sup>b</sup>	12	2	45	0.74	.....	0.27	2.7	7	10	8	12	nw.	B. D. Crandall.
Easton.	Washington.	21	.....	.....	.....	.....	.....	.....	.....	1.88	-0.52	0.89	7.0	4	13	4	13	w.	H. Taber.	
Glens Falls.	Warren.	340	20	43.4	-2.4	87	29	11	2	45	1.06	-1.39	0.81	2.0	4	13	4	13	w.	Prof. C. L. Williams.
Gloversville.	Fulton.	850	19	40.1	-3.6	81	29	9	3	41	1.76	-1.29	0.80	5.0	7	12	11	7	w.	W. L. McLean.
Greenfield Center.	Saratoga.	314	13	42.2	-2.7	83	29	10	2	43	1.46	-1.37	0.98	4.4	6	16	4	4	ne.	S. E. Darow.
Greenwich.	Washington.	425	14	44.6	+ 0.4	87	29	12	2	46 <sup>a</sup>	1.43	-0.99	0.71	6.0	8	16	11	3	w.	Homer J. Whitcomb.
Griffin Corners.	Delaware.	2,260	11	.....	.....	80 <sup>a</sup>	29	6	2	40 <sup>b</sup>	0.38	-3.25	0.26	1.0	3	13	11	6	w.	Harold O. Judd.
Haskinville.	Steuben.	16	.....	.....	.....	.....	.....	.....	.....	1.39	-0.90	0.50	5.0	8	.....	.....	.....	.....	W. G. Collins.	
Homer.	Cortland.	30	41.8	-1.4	79	29	12	2	39	1.98	.....	0.47	5.0	11	13	7	10	nw.	Charles G. Mortimer.	
Hoosick Falls.	Rensselaer.	410	9	.....	.....	.....	.....	.....	.....	1.19	.....	0.42	4.5	6	22	4	4	w.	Sanford L. Cluett.	
Indian Lake.	Hamilton.	1,705	12	35.0	-3.7	81	29	-6	4	45	5.2	-1.64	0.40	5.9	3	16	3	11	n.	Lester Severe.
Jeffersonville.	Sullivan.	1,240	8	42.0	.....	82	29	16	2	45	3.06	.....	0.73	6.0	7	15	11	4	w.	Charles Wilfert, jr.
Liberty.	do.	2,300	29	40.1	-1.3	77	30	10	3	34	1.92	-1.94	0.65	T.	6	18	1	11	se.	Dr. H. M. King.
Little Falls.	Herkimer.	924	13	41.0	-2.4	83	29	12	2	37	1.08	-1.51	0.53	6.0	7	18	9	3	w.	O. J. Dempster.
Mohawk Lake.	Ulster.	1,245	15	43.8	-1.3	81	29	15	3	31	3.01	-0.19	1.08	6.0	5	18	7	5	nw.	A. K. Smiley.
Morehouseville.	Hamilton.	1,697	14	34.8	-2.7	77	29	-1	2	47 <sup>a</sup>	2.35	.....	1.06	8.5	7	22	4	4	w.	Theo. C. Remonda.
Mount Hope.	Westchester.	200	14	46.8	-1.0	84	29	18	2	35	4.25	+ 0.17	1.10	5.0	9	14	6	6	.....	W. A. Cornelius.
Newark Valley.	Tioga.	825	24	.....	.....	.....	.....	.....	.....	1.93	-0.64	0.35	3.0	7	18	7	5	nw.	M. D. Clinton.	
New Berlin.	Chenango.	4	.....	.....	.....	.....	.....	.....	.....	1.73	.....	0.51	2.5	10	13	4	13	nw.	Roger Greene.	
Newcomb.	Essex.	1,600	35.3	.....	78	29	-10	3	50	0.76	.....	0.30	5.0	4	.....	.....	.....	.....	Edward Spain.	
New Lisbon.	Otsego.	21	39.0	-2.4	78	29	9	2	45	1.53	.....	0.84	3.3	6	8	6	16	s.	G. A. Yates.	
New York City.	New York.	314	86	48.2	+ 0.1	78	29	24	2	24	3.06	-0.24	1.30	0.7	10	10	11	9	nw.	U. S. Weather Bureau.
North Creek.	Warren.	1,002	3	39.4	.....	78	28 <sup>b</sup>	2	2	41	1.06	.....	0.82	1.5	4	16	9	5	w.	W. G. Kenwell.
Northville.	Fulton.	742	9	.....	.....	.....	.....	.....	.....	1.56	.....	0.80	6.0	5	.....	.....	.....	.....	P. C. Pickard.	
Norwich.	Chenango.	1,015	5	43.4	.....	78	29	15	3	38 <sup>a</sup>	2.83	.....	0.50	5.5	4	14	12	12	sw.	P. L. Clark.
Oneonta.	Otsego.	1,113	17	42.9	-2.5	80	29	20	1	45	1.21	-1.32	0.38	4.0	6	10	10	10	sw.	H. W. Lee.
Oxford.	Chenango.	916	46	42.2	-1.6	77	29	15	2	41	2.06	-0.93	0.55	3.0	5	5	13	12	s.	J. P. Davis.
Oyster Bay.	Nassau.	.....	47.3	.....	80	29	24	2	30	3.90	.....	1.53	0	9	20	2	8	.....	Prof. Thomas Colby.	
Port Jervis.	Orange.	470	27	45.7	-1.3	87	29	18	2	44	3.48	+ 0.47	1.09	4.0	8	18	6	6	nw.	Frank E. Carruth.
Salisbury.	Herkimer.	1,526	14	37.6	-4.1	80	29	5	2	41	1.67	-1.35	0.63	4.5	7	16	10	4	w.	Joseph Ryan.
Setauket.	Suffolk.	40	26	45.4	-1.9	77	29	26	2	32	4.24	+ 0.76	1.56	4.0	10	17	5	8	w.	Selah Strong.
Sherburne.	Chenango.	4	.....	.....	.....	.....	.....	.....	.....	1.09	.....	0.50	5.5	4	14	12	12	sw.	E. B. Collins.	
Southampton.	Suffolk.	36	10	43.1	-2.9	73	29	25	2	27	5.80	+ 1.50	2.25	7.0	7	15	8	7	nw.	W. L. Jagger.
Southeast Reservoir.	Putnam.	310	16	41.2	.....	83	29	8	2	42	3.40	.....	0.80	8.0	4	12	12	6	nw.	Thomas Manning.
Spier Falls.	Saratoga.	400	10	41.2	.....	83	29	12	2	37	2.07	.....	0.72	0.4	8	18	6	6	.....	George E. Field.
Trenton Falls.	Oneida.	751	8	.....	.....	84	29	13	2	38	1.70	.....	0.80	4.0	3	12	6	6	.....	R. S. Marshall.
Tribes Hill.	Montgomery.	268	8	.....	.....	84	29	14	2	38	1.52	-1.55	0.60	8	8	12	6	6	.....	W. E. Young.
Utica.	Oneida.	537	45	.....	.....	83	29	19	2	40	4.82	.....	1.09	5.0	9	19	6	5	nw.	H. B. Fullerton.
Wading River.	Suffolk.	112	5	44.5	.....	83	29	23	2	38	3.67	+ 0.20	1.76	10.5	8	14	13	3	n.	R. S. Marshall.
Wappinger's Falls.	Dutchess.	110	21	45.2	-3.0	84	29	22	2	38	2.42	-0.63	0.73	0.6	8	10	7	11	nw.	John W. Sly.
Warwick.	Orange.	538	17	43.9	-1.4	83	29	14	2	52	2.32	-0.14	0.53	3.4	10	7	12	11	nw.	J. F. Shoemaker.
Waverly.	Albany.	824	29	43.9	-1.5	84	29	6	2	51	0.75	-0.24	0.60	6.0	3	10	7	13	e.	W. J. Haverly.
West Berne.	Orange.	146	63	41.4	-1.5	84	29	23	2	36	3.98	+ 0.34	1.30	3.5	6	19	4	7	n.	U. S. Military Academy.
West Point.	Greene.	1,520	11	40.2	-1.9	77	29	7	2	41	1.83	-1.40	0.52	6.5	7	14	2	2	nw.	A. R. Mott.
Windham.	Tioga.	1,006	13	44.6 <sup>d</sup>	+ 0.1	83	29	15	1	46	2.83	-0.03	0.74	13	14	0	16	w.	C. W. Billin.	
Lawrenceville.	Lebanon.	424	46.6	-3.3	76	29	21	2	35	3.28	+ 0.11	0.95	4.0	11	10	9	11	w.	Prof. E. C. Roest.	
Le Roy.	Lebanon.	458	7	46.6	.....	79	29	16	2	49	4.32	-0.81	0.70	6.6	14	8	13	9	sw.	Raymond C. Ogden.
Lock Haven.	Bradford.	1,400	23	43.0	-1.7	78	29	13	2	35	3.47	-0.08	1.92	3.0	11	16	4	10		

TABLE 1.—Climatological data for April, 1911. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of cloudy days.			
<i>New Jersey.</i>																				
Asbury Park.	Monmouth.	22	23	46.4	-1.7	77	29	25	2	28	4.70	+1.03	1.90	1.0	9	10	10	S.	B. H. Ober.	
Atlantic City.	Atlantic.	16	33	45.9	-1.7	70	29	2	24	4.57	+1.58	1.40	T.	11	5	14	sw.	U. S. Weather Bureau.		
Bayonne.	Hudson.	50	21	47.8	-1.2	83	29	25	2	32	3.47	+1.21	1.15	1.5	11	10	10	se.	J. H. Eadie.	
Belvidere.	Warren.	289	20	47.2	-2.4	85	29	13	2	45	4.23	+0.95	1.09	4.5	10	9	11	.....	S. J. Hixson.	
Bergen Point.	Hudson.	37	14	47.2	-1.3	83	29	24	2	35	4.12	+0.23	1.21	0.5	10	10	10	se.	Dr. W. H. Mitchell.	
Boonton.	Morris.	413	21	47.9	-1.3	83	29	24	2	35	4.03	+0.27	1.35	4.0	11	10	10	n.	Foster Peer.	
Bridgeton.	Cumberland.	30	30	48.8	-3.0	80	29	26	1	40	3.82	+0.39	1.68	0	11	10	10	sw.	H. A. Jorden.	
Burlington.	Burlington.	12	27	47.9	-1.3	83	29	25	2	32	3.93	+0.56	1.48	1.3	11	9	12	nw.	D. S. B. McCoy.	
Canton.	Salem.	24	17	47.0	-1.4	66	25	30	1 <sup>+</sup>	22	4.11	+1.12	1.26	T.	10	10	10	.....	J. H. Maskell.	
Cape May City.	Cape May.	17	27	47.0	-1.4	66	25	30	1 <sup>+</sup>	22	4.11	+1.12	1.26	0.4	12	8	13	s.	U. S. Weather Bureau.	
Charlotteburg.	Passaic.	719	19	44.8	-1.9	81	29	19	2 <sup>+</sup>	44	3.55	-0.38	1.23	6.0	10	10	10	se.	G. S. Briggs.	
Chatham.	Morris.	234	9	47.9	-1.3	83	29	24	2	35	3.90	-1.05	2.0	1.1	11	9	10	nw.	M. A. Butler.	
Clayton.	Gloucester.	128	18	48.4	-1.9	79	30	27	2	34	5.17	+2.03	1.80	2.0	10	11	9	nw.	W. T. Farley.	
College Farm §.	Middlesex.	100	16	47.9	-0.8	81	29	23	2	37	5.64	+0.90	1.46	2.0	10	9	11	nw.	G. B. Thrasher.	
Culvers Lake.	Sussex.	848	10	47.9	-1.3	83	29	24	2	35	3.95	-1.25	7.8	9	9	11	e.	B. E. Riker.		
Dover.	Morris.	575	27	44.4	-2.9	81	29	20	2	40	3.77	+0.26	1.30	4.5	11	12	9	.....	W. C. Harris.	
Elizabeth.	Union.	33	32	49.6	-1.2	88	29	25	2	36	3.58	+0.01	1.08	2.0	10	11	8	ne.	W. M. Oliver.	
Flemington.	Hunterdon.	187	23	48.4	-0.7	80	29	23	2	38	3.68	+0.24	1.15	4.5	13	10	10	nw.	H. E. Deats.	
Haddonfield §.	Camden.	75	24	48.2	-2.6	79	29	24	2	35	4.19	+1.09	1.47	1.0	12	8	14	s.	C. F. Richardson.	
Hammonton.	Atlantic.	80	13	47.9	-1.3	83	29	24	2	35	4.92	+1.08	1.68	2.0	11	9	10	11	Orville Bassett.	
Hightstown.	Mercer.	85	19	45.0	-1.3	81	29	24	2	41	4.55	+0.64	2.01	3.0	9	10	10	nw.	Ernst Wenger.	
Highwood.	Bergen.	90	26	46.2	-1.3	82	29	23	2	41	3.92	-1.35	3.9	11	12	9	9	nw.	Charles J. Bates.	
Indian Mills.	Burlington.	76	22	47.5	-2.8	82	29	22	1	40	4.43	+1.30	1.49	3.0	12	10	9	nw.	James Armstrong.	
Jersey City §.	Hudson.	15	13	48.9	-0.5	85	29	25	2	32	3.81	+0.11	1.43	1.0	9	10	10	nw.	S. K. Pearson, Jr.	
Lakewood.	Ocean.	54	9	47.4	-1.3	81	29	25	2 <sup>+</sup>	38	5.58	-2.47	1.0	1.1	9	12	nw.	Ralph Robertson.		
Lambertville.	Hunterdon.	95	25	48.8	-1.6	81	29	25	2	38	4.15	+0.75	1.85	2.0	11	10	8	nw.	W. R. Bowe.	
Layton.	Sussex.	550	12	44.6	-1.9	84	29	18	2	45	2.87	-0.44	0.88	7.0	10	11	8	w.	W. C. Hursh.	
Little Falls.	Passaic.	175	8	46.9	-1.3	75	29	25	2	30	4.82	-1.91	1.0	1.0	10	11	9	se.	A. Sweetman.	
Long Branch §.	Monmouth.	30	4	46.9	-1.3	75	29	25	2	30	4.82	-1.91	1.0	1.0	10	11	9	se.	B. B. Bobbitt.	
Mahwah.	Bergen.	312	9	47.4	-1.6	79	29	25	2	34	3.40	+0.21	1.20	3.2	10	10	7	nw.	C. L. Barker.	
Moorestown.	Burlington.	71	49	48.4	-1.6	79	29	25	2	34	3.40	+0.21	1.20	3.2	10	7	13	nw.	J. C. Beans.	
Newark.	Essex.	140	68	48.2	-0.9	84	29	23	2	36	4.72	+0.99	2.09	3.2	10	10	8	nw.	Prof. Wm. Wiener.	
New Brunswick.	Middlesex.	61	58	47.8	-1.9	84	29	23	2	39	3.70	-0.09	1.10	4.0	10	12	7	11	w.	W. T. Woerner.
Northfield.	Atlantic.	4	10	47.6	-2.7	84	29	23	2	39	3.51	+0.03	1.45	0.5	11	11	11	nw.	G. S. M. Holdrum.	
Paterson.	Passaic.	110	40	47.6	-2.7	84	29	23	2	39	3.51	+0.03	1.45	2.3	10	9	14	7	nw.	H. A. Probert.
Philipsburg.	Warren.	196	14	47.5	-2.1	84	29	22	2	38	3.32	+0.30	1.01	4.8	10	11	9	10	D. W. Smith.	
Plainfield.	Union.	100	25	48.2	0.0	83	29	23	2	39	3.94	+0.04	1.14	1.6	10	8	14	8	ne.	John Neagle.
Pleasantville.	Atlantic.	26	13	47.5	-2.8	80	29	21	2	37	5.02	+1.50	1.77	0	9	12	8	10	ne.	L. Van Glider.
Pompton Plains.	Morris.	195	9	47.5	-2.8	80	29	21	2	37	4.09	-1.77	1.44	4.0	10	10	11	10	ne.	M. S. Taylor.
Rancocas.	Burlington.	68	45	47.6	-1.3	79	29	26	2	36	2.96	-0.22	1.13	2.5	10	11	8	11	nw.	Spencer Haines.
Rivervale.	Bergen.	70	20	47.6	-1.3	75	29	24	2 <sup>+</sup>	31	3.10	-0.13	1.68	2.0	10	11	9	10	nw.	P. Hardcastle.
Somerville.	Somerset.	76	28	48.4	-0.3	85 <sup>b</sup>	29	23	2	40	3.87	+0.32	1.15	4.0	11	10	9	11	nw.	Dr. W. J. Chandler.
South Orange.	Essex.	200	41	47.2	-1.1	81	29	23	2	38	3.50	+0.01	1.12	3.0	11	10	9	11	nw.	George Dymock.
Sussex.	Sussex.	442	21	45.5	-2.8	85	29	19	2	40	3.66	+0.41	1.05	6.0	11	12	8	10	n.	Paul H. Wendel.
Trenton.	Mercer.	60	40	48.6	-2.8	80	29	21	2	43	3.56	+1.77	2.09	2.5	11	11	9	11	sw.	F. R. Austin.
Tuckerton.	Ocean.	23	18	46.6	-1.3	78	29	26	2	35	5.56	+1.77	2.09	0.2	11	11	8	11	sw.	Alfred Chalmers.
Vineyard.	Cumberland.	118	42	47.6	-3.1	78	29	26	2	35	5.56	+1.77	1.97	2.2	11	13	7	10	se.	Prof. H. A. Dodge.
Woodbine.	Cape May.	43	20	47.6	-1.9	75	29	25	1 <sup>b</sup>	36	4.00	+1.02	1.39	T.	12	13	8	12	.....	Prof. H. A. Dodge.
<i>West Virginia.</i>																				
Bayard.	Grant.	2,500	10	43.8	-2.3	75	61	8	2	44	5.20	+1.09	0.75	18.2	18	9	8	13	w.	Solomon Clark.
Burlington.	Mineral.	875	17	49.2	-1.4	81	61	17	2	46	2.10	-0.51	1.20	3.5	5	15	2	10	w.	J. W. Vandiver.
Franklin.	Pendleton.	5	46.9	-1.3	75	61	19	2	44	.88	.....	3.35	T.	5	15	2	10	.....	A. A. Martin.	
Lost City.	Hardy.	5	47.2	-1.3	76	26	20	2	46	3.61	.....	1.02	4.0	12	10	9	11	.....	B. D. Hinegardner.	
Martinsburg.	Berkeley.	435	19	49.6	-1.4	82	29	21	2	44	3.01	+0.03	T.	5	15	2	10	.....	G. W. Van Metre, C. E.	
Moorefield.	Hardy.	900	15	46.2	-5.7	76	29	17	2	41	2.61	-0.16	1.05	3.0	8	3	10	9	nw.	John C. Fisher.
Romney.	Hampshire.	824	14	47.8	-3.8	81	30	20	2	44	3.25	+0.62	0.70	2.0	12	9	10	11	n.	John C. Linthicum.
Upper Tract.	Pendleton.	1,230	14	48.6	-2.2	78	6	17	2	42b	2.84	+0.41	.80	0	10	2	15	12	w.	J. M. Mallow.
<i>Maryland.</i>																				
Annapolis.	Anne Arundel.	45	33	51.0	-2.0	74	30	27	2	41	1.66	-2.09	0.42	0	10	17	3	10	nw.	U. S. Naval Academy.
Baltimore.	Baltimore.	115	41	51.0	-2.9	82	26	28	1	41	3.92	+0.76	0.76	T.	13	8	12	10	c.	U. S. Weather Bureau.
Cambridge.	Dorchester.	25	13	52.0	-2.9	77	30	25	1	37	3.68	+0.85	0.89	T.	12	7	11	s.	T. E. Keenan.	
Cheltenham.	Prince George.	230	11	50.0	-1.8	79	6	24	1	36	3.36	.....	0.92	0	11	10	9	nw.	G. E. Burbank.	
Chestertown.	Kent.	80	26	49.6	-1.8	77	30	26	2	32	3.51	.....	0.00	0.88	T.	14	8	8	se.	M. W. Thomas.
Chewsville.	Washington.	530	14	49.4	-2.1	76	29	21	2	37	2.46	-0.01	0.80	2.5	12	9	17	4	sw.	D. Paul Oswald.
Clear Spring.	Washington.	650	14	47.0	-3.6	78	29	19	2	39	3.64	+0.40	1.19	3.0	13	8	17	5	e.	

TABLE 1.—*Climatological data for April, 1911. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	Number of rainy days, 0.01 inch or more.	Sky.	Prevailing wind direction.	
<i>Delaware.</i>																		
Delaware City.....	Newcastle.....	20	9	49.3	.....	75	30	25	2	33	3.19	.....	0.76	T.	8	17	n.	H. Morton Price.
Dover.....	Kent.....	40	23	49.6	— 3.3	78	29†	27	2	36	3.24	— 0.23	0.86	T.	8	12	w.	Thos. F. Dunn.
Milford.....	do.....	20	27	50.2	— 2.5	79	29	27	1	35	3.93	+ 0.59	0.70	T.	12	12	ne.	C. J. Holzmuller.
Millsboro.....	Sussex.....	20	19	49.8	— 2.3	78	6	27	1	38	3.30	— 0.32	0.90	T.	12	15	sw.	Rev. L. W. Wells.
Seaford.....	do.....	40	18	49.4	— 3.1	76	30	27	2	37	4.66	+ 1.14	0.90	T.	13	18	sw.	E. B. Brown.
<i>District of Columbia.</i>																		
Washington.....		112	41	51.2	— 1.9	80	6	28	2	38	2.85	— 0.40	0.82	0.1	12	12	s.	U. S. Weather Bureau.
<i>Virginia.</i>																		
Culpeper.....	Culpeper.....	450	3	50.1	.....	76	29	24	2	36	3.16	.....	1.10	T.	10	10	nw.	Col. H. C. Burrows.
Dale Enterprise.....	Rockingham.....	1,350	32	47.0	— 5.5	77	29	18	2	46	2.39	— 0.60	0.56	T.	16	5	s.	Rev. L. J. Heatwole.
Doswell.....	Hanover.....	134	10	53.1	.....	82	6	27	1	42	4.44	.....	0.83	T.	11	10	e.	Rich., Fdkshg. & Pot. R. R.
Eastville.....	Northampton.....	15	1	51.4	— 3.1	78	2†	30	2†	30	3.26	— 0.63	0.70	T.	12	9	sw.	Thos. B. Robertson.
Fredericksburg.....	Spotsylvania.....	100	22	52.0	— 2.6	82	6	25	1	41	3.32	— 0.25	0.96	T.	12	10	nw.	S. G. Howison.
Lincoln.....	Loudoun.....	500	10	51.4	.....	92	29	18	2	51	2.50	— 1.41	0.68	T.	9	5	n.	Dr. Geo. Roberts.
Mount Weather.....	do.....	1,726	7	45.6	— 2.8	72	6	17	2	28	2.80	— 0.27	0.72	3.0	11	7	nw.	U. S. Weather Bureau.
Quantico.....	Prince William.....	16	14	49.2	— 4.4	78	29†	23	1	43	2.92	.....	0.96	T.	8	17	nw.	Rich., Fdkshg. & Pot. R. R.
Staunton.....	Augusta.....	1,380	19	49.3	— 6.7	78	6	22	2	40	2.74	— 0.25	0.78	T.	16	7	sw.	Ernest Notnagle.
Warsaw.....	Richmond.....	160	17	51.8	— 2.8	81	6†	26	1	40	3.05	— 0.25	0.80	T.	8	4	s.	C. H. Constable.
Woodstock.....	Shenandoah.....	927	15	49.6	— 3.2	80	30	21	2	41	2.03	— 0.62	0.25	1.0	14	8	w.	Mrs. A. G. Artz.

\*, †, ‡, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

\*\* Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

‡ Estimated by observed.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for April, 1911. District No. 1, North Atlantic States.*

Stations.	Watershed.	Day of month.																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
<i>Maine.</i>																																
Ashland.	St. John.	.25	.06																													0.47
Bar Harbor.	Coast.	.60																													1.70	
Cornish.	Saco.	.84																													1.16	
Danforth.	Penobscot.	.15	.15																												0.75	
Eastport.	Coast.	.78	.12	.01																											2.55	
Eustis.	Kennebec.	.31	.08	.08																											0.61	
Fairfield.	do.	.58																													0.58	
Gardiner.	do.	.50	T.																												0.78	
Greenville.	do.	.44		.08																											1.24	
Houlton.	St. John.	.50																													0.95	
Howe Brook.	Penobscot.	.70	T.																												1.30	
Lewiston.	Androscoggin.	.62																													1.00	
Madison.	Kennebec.	.25	.33	.15																											0.93	
Millinocket.	Penobscot.	.63	.01	.01																											1.08	
North Bridgton.	Saco.	.70	T.	.10																											0.91	
Oquossoc.	Androscoggin.	.50		.15																											1.10	
Patten.	Penobscot.	.30	.10																												1.18	
Portland.	Coast.	.48	.98	.01																											2.25	
Presque Isle.	St. John.	1.00																													1.03	
Rumford Falls.	Androscoggin.	.07	.53	.01																											0.76	
Winslow.	do.	.48	.07																													0.59
<i>New Hampshire.</i>																																
Alstead Center.	Connecticut.	T.	T.	.49	T.																										0.92	
Benton.	do.	.12	.17																												0.67	
Bethlehem.	do.	.28	.04																												0.92	
Brookline.	Merrimack.	.70	.52																												1.80	
Concord.	do.	.48	.30																												1.46	
Durham.	do.	.59																													1.27	
Franklin.	do.	.74	.04																												1.34	
Hanover.	Connecticut.	T.	T.	.13	.35	.02	.02																							0.97		
Keene.	do.	.49		T.																											1.15	
Nashua.	Merrimack.	.43	.82	T.																											1.93	
Newton.	do.	T.	T.	1.03																											1.53	
Plymouth.	do.	.56	.07																													1.31
<i>Vermont.</i>																																
Bloomfield.	Connecticut.	T.		.25		.12		.01																							1.22	
Cavendish.	do.	T.		.78																											1.04	
Chelsea.	do.	.04		.08		.40		.06																						0.87		
Jacksonville.	do.	T.		1.30		.15																								2.24		
Manchester.	Hudson.	T.																													0.61	
St. Johnsbury.	Connecticut.	T.																													1.01	
Vernon.	do.	.50	.25			.01																									1.25	
Woodstock.	do.	.71																														0.97
<i>Massachusetts.</i>																																
Amherst.	Connecticut.			.40	.60																										1.87	
Ashland.	Merrimack.			.15	.59																										2.88	
Bakers Bridge.	do.			.11	.10	.14																									1.85	
Bedford.	do.			T.	1.11	T.																									1.80	
Blue Hill.	Coast.			.08	1.24	.07																								2.86		
Boston.	do.			.48	.88																										0.03	
Chestnut Hill.	do.			1.05	.35																									2.28		
Clinton.	Merrimack.			* 1.22		.01																								0.08		
Fall River.	Coast.			.30	1.15																									3.69		
Fitchburg.	Merrimack.			.10	.89	.06	.01																							1.63		
Framingham.	do.			.14	.48																									1.74		
Haverhill.	do.			.80	.21																									2.70		
Hingham.	Coast.			* 1.37																										4.99		
Jefferson.	do.			* 1.49	.24																								2.42			
Lake Cochituate.	do.			.15	.50																									2.63		
Lawrence.	do.			* 1.24																										T. 1.89		
Leominster.	do.			.21	.96	.03																							2.04			
Lowell.	do.			.12	.23																									1.99		
Middleboro.	Coast.			* 1.39																										3.32		
Monson.	Connecticut.			.15	1.10	T.																							2.55			
Nantucket.	Coast.			.37	1.29	.01																							5.17			
Norfolk.	do.			T.	1.09	.46																							3.06			
Plymouth.	do.			* 1.32																										3.05		
Princeton.	Merrimack.			.78																										1.76		
Provincetown.	Coast.			.104	.24																									2.25		
Rockport.	do.			.175	.35																									3.00		
Rutland.	Connecticut.			* 1.33																										T. 2.47		
Somerset.	Coast.			* 1.51																										3.97		
South Egremont.	Housatonic.			.10	.85																									2.25		
Spot Pond.	Coast.			1.03	1.41																									T. 3.44		
Springfield.	Connecticut.			1.19	.25																									2.53		
Sterling.	Merrimack.			* 1.02																										2.12		
Taunton.	Coast.		</td																													

TABLE 2.—*Daily precipitation for April, 1911. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for April, 1911. District No. 1—Continued.*

Stations.	Watershed.	Day of month.																													Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
<i>Pennsylvania—Con.</i>																																	
Emporium.	Susquehanna	.	.	.56	.38	.04	.22	.06	.30	.	.	.	.	.	.66	.	.05	.	.	.22	.63	.09	.13	.	.	.	.	.	.	T.	.08	3.41	
Ephrata.	do	.	.	.86	.04	.	.	.	T.	.35	.	.	.	.	.72	T.	.	.	.35	.61	.	.50	.07	.	.	.	.	.	.	.	.	T.	3.50
Everett.	Juniata	.30	.	.68	.40	.16	.06	.05	.30	.	.	.	.	.	.41	.	.10	.	.	.71	.	.63	.62	.	.	.	.	.	.	.	T.	4.42	
Forks of Neshaminy.	Delaware	.	.	.77	.32	.	.	.	T.	.47	.	.	.	.	.30	.08	.	.	.27	.	.	.	.	.	.	.	.	.	.	.	.	T.	3.80
George School.	do	.	.	.23	*	.72	.03	.	T.	.47	.	.	.	.	.35	T.	.	.02	.	.09	.145	.	.13	.07	.	.	.	.	.	.	.	T.	3.57
Gettysburg.	Potomac	.01	.12	.83	.13	.	.	.	.03	.32	.	.	.	.	.49	.	.14	.	.	.68	.68	.26	.32	.24	.	.	.	.	.	.	.	T.	4.37
Girardville.	Susquehanna	T.	T.	.75	.27	.04	.	.30	.20	.	.	.	.	.	.90	.	.05	.	.	.156	.	.45	.31	.	.	.	.	.	.	.	T.	4.58	
Gordon.	do	.03	.	.35	.38	T.	.05	.	.50	.	.	.	.	.	.98	.	.41	.	.	.100	.94	.57	.17	.	.	.	.	.	.	.	T.	4.25	
Hamburg.	Schuylkill	.	.	.	.	.	.	.	.18	.	.	.	.	.	.23	.	.04	.	.	T.	.63	.18	T.	.43	.	.	.	.	.	T.	3.22		
Hanover.	Susquehanna	.19	.	.10	.90	.	.	.	.02	.31	.	.	.	.	.34	.	.12	.	.	T.	.21	.06	.30	.27	.	.	.	.	.	T.	3.03		
Harrisburg.	do	T.	.02	.01	.67	.07	.	.01	.16	.07	.	.	.	.	T.	.12	.20	T.	.05	.	.11	.09	.08	.36	.08	.	.	.	T.	0.03			
Huntingdon.	Juniata	.05	.05	.58	.28	.	.	.07	T.	.30	.	.	.	.	.64	.	.12	.	.	T.	.23	.18	.32	.24	.	.	.	.	.	T.	3.43		
Hyndman.	Potomac	.07	.28	.80	.19	.	.	.10	.51	.	.	.	.	.	.56	.	.10	.	.	T.	.10	.35	.12	.	.	.	.	.	T.	3.58			
Kennett Square.	Coast	T.	T.	.75	.30	.	.	.10	.	.	.	.	.	.	.53	.	.	.	.	T.	.11	.81	.03	.32	.21	.	.	.	T.	3.87			
Lansdale.	Schuylkill	.	.	.78	.39	.	.	.02	.46	.	.	.	.	.	.98	.	.41	.	.	T.	.71	.78	.	.20	.	.	.	.	T.	3.67			
Lebanon.	do	T.	.60	.30	.	.	.04	T.	.03	.	.	.	.	.	.18	.	.01	.	.	T.	.30	.01	.03	.01	.	.	.	.	T.	3.28			
Le Roy.	do	.01	.	.25	.12	.	.	.05	.50	.	.	.	.	.	.20	.	T.	.	.	T.	.25	.20	.	.	.	.	.	.	T.	2.43			
Lewisburg.	do	.	.	.44	.03	.03	.	.	.27	.	.	.	.	.	.39	.	.08	.	.	T.	.10	.11	.43	.18	.	.	.	.	T.	3.06			
Lloyd.	do	.	.	.22	.10	.	.	.10	.17	.	.	.	.	.	.20	.	T.	.	.	T.	.30	.01	.03	.01	.	.	.	.	T.	1.14			
Lock Haven.	do	.	.	.43	.20	.11	.05	.	.28	.	.	.	.	.	.50	.	.	.	.	T.	.125	.24	.20	.11	.	.	.	.	T.	3.39			
Marion.	Potomac	.17	.93	.06	.	.	.	.	T.	.29	.	.	.	.	.30	.	.	.	.	T.	.10	.35	.12	.	.	.	.	.	T.	2.32			
Mauch Chunk.	Lehigh	.	.	.64	.40	.	.	.	.51	.	.	.	.	.	.64	.	.03	.	.	T.	.31	.06	.09	.38	.04	.	.	.	T.	4.10			
Mifflintown.	Juniata	.02	.02	.58	.32	.	.	.	.24	.	.	.	.	.	.83	.	.04	.	.	T.	.11	.81	.03	.32	.21	.	.	.	T.	4.53			
Milford.	Delaware	.02	T.	.32	.68	.05	.	.	.95	.	.	.	.	.	.34	.06	.16	.	.	T.	.02	.88	.	.28	.01	.	.	.	T.	3.77			
Montrose.	Susquehanna	T.	.	.	.50	.	.	.	.25	.	.	.	.	.	.50	.	T.	.	.	T.	.65	.	.70	.	.	.	.	.	T.	3.60			
Mountain House.	Juniata	.30	.	.88	.13	.	.	.	.36	.	.	.	.	.	.65	.	.07	.	.	T.	.64	.	.17	.72	.	.	.	.	T.	4.15			
Mount Gretna.	Susquehanna	T.	T.	.74	.06	.	.	.01	.21	.	.	.	.	.	.21	.	.04	T.	T.	T.	.30	.02	.02	.42	.34	.	.	.	T.	3.51			
Muncy Valley.	do	T.	.66	.32	T.	.30	.	.	.	.	.	.	.	.	.93	T.	.	.	.92	.	.51	.22	T.	.	.	.	.	.	.	T.	3.86		
New Germantown.	do	.	.	1.00	.23	.	.	.	.05	.	.	.	.	.	.	.	.	.	.	.30	.	.30	.	.40	.25	.	.	.	T.	3.23			
Ottsville.	Delaware	.	.	.99	.41	.	.	.	.49	.	.	.	.	.	.41	.	.03	.	.	T.	.36	.04	.	.66	.04	.	.	.	T.	3.43			
Philadelphia (1).	do	T.	T.	.70	.40	.	.	T.	.18	.	.	.	.	.	.21	.	.04	T.	T.	T.	.89	.56	.02	.25	T.	.	.	.	T.	3.91			
Pocono Lake.	do	.	.	.73	.	.	.	.	.80	.	.	.	.	.	.87	.	.20	.	.	T.	.1.01	.	.30	T.	.	.	.	.	T.	3.93			
Point Pleasant.	do	.	.	.64	.56	.	.	.	.51	.	.	.	.	.	.84	.	.07	.	.	T.	.82	.59	.26	.12	.51	.	.	.	T.	4.48			
Pottsville.	Schuylkill	.	.	.69	.11	.	.	.	.48	.	.	.	.	.	.84	.	.07	.	.	T.	.65	.53	.08	.49	.03	.	.	.	T.	3.77			
Reading.	do	.02	.	.88	.13	.	.	.03	.23	.18	.	.	.	.	.53	.	.	.	.	T.	.98	.	.98	.02	.14	.	.	.	T.	2.85			
Renovo.	Susquehanna	.05	.	.61	.04	.	.	.	.09	.31	.	.	.	.	.67	.	.10	.	.	T.	.63	.94	.	.31	.05	.	.	.	T.	4.17			
Scranton.	do	.	.	.67	.29	.	.	.	.51	.	.	.	.	.	.77	.	.	.	.	T.	.60	.	.30	.05	.	.	.	.	T.	3.42			
Seisholtzville.	Schuylkill	.	.	.31	.32	.	.	T.	.30	.	.	.	.	.	.80	.	.05	.	.	T.	.30	.	.30	.	.27	.	.	.	T.	4.09			
Selinsgrove.	Susquehanna	.	.	.77	.42	.	.	.	.03	.70	.	.	.	.	.23	.	.10	.	.	T.	.50	.1.05	.	.20	.10	.	.	.	T.	4.05			
Shawmont.	Schuylkill	.	.	.80	.49	.	.	.	.53	.	.	.	.	.	.30	.	.	.	.	T.	.36	.1.30	.	.27	.	.	.	.	T.	3.61			
Smiths Corners.	do	.	.	.75	.35	.	.	.01	.43	.	.	.	.	.	.50	.	.	.	.	T.	.34	.94	.	.21	.08	.	.	.	T.	4.61			
Spring Mount.	do	.	.	.20	.1.35	.	.	T.	.52	.	.	.	.	.	.20	.	.08	T.	T.	T.	.1.90	.45	.	.	.	.	.	T.	4.70				
State College.	Susquehanna	T.	.01	.72	.28	T.	.17	.17	.16	.	.	.	.	.	.26	.	.24	T.	T.	T.	.99	.41	.02	.1.10	.14	.	.	.	T.	4.57			
Stroudsburg.	Delaware	.	.	.38	.61	.01	.03	.63	.	.	.	.	.	.	.22	.	.08	T.	T.	T.	.11	.77	.	.16	T.	.	.	.	T.	3.47			
Towanda.	Susquehanna	T.	T.	.35	.30	.	.	.04	.37	.	.	.	.	.	.23	.	.07	T.	T.	T.	.98	.38	.	.33	.03	.	.	.	T.	4.22			
Welsboro.	do	.	.	.37	.27	.	.	.03	.38	.	.	.	.	.	.22	.	.05	.	.	T.	.07	.68	.03	.31	.12	.	.	.	T.	2.56			
West Chester.	Coast	.01	.	.81	.39	.02	.03	.36	.36	.	.	.	.	.	.33	.	.07	.	.	T.	.80	.80	.	.43	.16	.	.	.	T.	4.23			
Wilkes Barre	Susquehanna	.	.	.	.81	T.	.01	.	.41	T.	.	.	.	.	.	.07	.	.28	T.	.	.	.72	.	.20	.	.07	.	.	.	T.	3.37		
Williamsport	do	.	.	.	.61	.12	.	.	.31	.	.	.	.	.	.03	.	.38	T.	.	.	.1.55	.	.45	.	.32	.	.	.	T.	3.84			
<i>New Jersey.</i>																																	
Ashbury Park.	Coast	.	T.	.20	.1.35	.	T.	.52	.	.	.	.	.	.	.20	.	.08	T.	T.	T.	.1.90	.45	.	.	.	.	.	T.	4.70				
Atlantic City.	do	T.	.55	.30	.	.	.14	.42	.	.	.	.	.	.	.26	.	.24	T.	T.	T.	.99	.41	.02	.1.10	.14	.	.	.	T.	4.57			
Bayonne.	do	T.	.56	.15	.	.01	T.	.35	.	.	.	.	.	.	.22	.	.08	T.	T.	T.	.11	.77	.	.16	T.	.	.	.	T.	3.47			
Belvidere.	Delaware	.	.	.41	.63	.	.08	T.	.70	.	.	.	.	.	.1.69	.	.	T.	T.	T.	.98	.38	.	.33	.	.	.	.	T.	4.22			
Bergen Point.	Coast	.	.	.70	.1.16	.	.01	.50	.	.	.	.	.	.	.23	.	.07	T.	T.	T.	.17	.04	.	.22	.	.	.	.	T.	4.12			
Boonton   .	Passaic	T.	T.	.1.24	.32	.03	.	.60	.	.	.	.	.	.	.10	.	.26	T.	T.	T.	.1.29	.06	.09	.05	.	.	.	.	T.	4.03			
Bridgeton.	Coast	.	.	.35	.35	.08	.	.	.53	.	.	.	.	.	.40	.	.06	.	.</														

TABLE 2.—*Daily precipitation for April, 1911. District No. 1—Continued.*

Stations.	Watershed.	Day of month.																													Total.				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
<i>West Virginia.</i>																																			
Bayard.....	Potomac.....	.15	T.	.60	.75	.22	.....	.25	.27	.45	.....	T.	T.	.41	.12	.23	.08	.....	.12	.30	T.	.55	.35	.....	.....	.....	.....	.....	.....	.30	.03	.02	5.20		
Burlington.....	do.....	.10	.....	.30	1.20	.....	.....	.....	.....	.35	.....	T.	.....	.....	.....	.....	.....	.....	.....	.10	T.	.20	.....	.....	.....	.....	.....	.....	.10	.10	.10	2.10			
Franklin.....	do.....	.....	.....	.05	.....	.....	.....	.....	.....	.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.83			
Harpers Ferry II.....	do.....	.....	.....	.33	T.	.81	.....	.....	.22	.....	.....	T.	.....	.....	.41	.....	.....	.....	.....	.....	.59	.....	.21	.28	.....	.....	.....	.....	.....	.....	.....	.....	1.11		
Lost City.....	do.....	T.	.....	.30	1.03	.....	.....	.30	.10	.....	.....	T.	.....	.49	.....	.10	.....	.....	.....	.45	T.	.02	.30	.08	.....	.....	.....	.....	.....	.....	.....	.40	.05	3.61	
Martinsburg.....	do.....	.....	.....	.30	1.03	T.	.....	.....	.37	T.	.....	T.	T.	.15	T.	T.	.....	.....	.....	.25	T.	.09	.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.00	3.01
Moorefield.....	do.....	T.	T.	.25	.70	.68	.10	.....	.10	.30	.....	T.	T.	.31	.10	.02	.....	.....	.....	.14	T.	.18	.37	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	2.61
Romney II.....	do.....	.....	.....	.47	.80	T.	.....	.....	.30	.08	.....	T.	.....	.15	.....	T.	.10	.....	.....	.20	.....	.15	.....	.10	.....	.....	.....	.....	.....	.....	.....	.....	T.	3.25	
Upper Tract.....	do.....	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	2.84	
<i>Maryland.</i>																																			
Annapolis.....	Coast.....	.....	.05	.05	.42	.....	.09	.....	.33	.....	.....	T.	T.	.05	.19	T.	T.	.....	.33	T.	T.	.09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.09	1.69
Baltimore.....	do.....	T.	.....	.02	.75	.23	.....	T.	.16	.13	.....	.....	.....	.25	.01	T.	.....	.....	.42	.20	.17	.29	.04	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.02	2.69
Cambridge.....	do.....	.....	.....	.05	.56	.48	.04	.....	.51	.39	.....	.....	.....	.08	.39	.....	.....	.....	.58	.69	.....	.09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.05	3.92	
Cheltenham.....	do.....	.....	.....	.02	.92	.28	T.	.....	.22	.34	.....	.....	.....	.20	.29	.....	.....	.....	.29	.62	.....	.15	.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.33	
Chestertown.....	do.....	T.	.....	.42	.37	.....	.....	.10	.43	.....	.....	.....	.06	.19	T.	.....	.....	.21	.88	.....	.57	.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	3.51	
Chewsville.....	Potomac.....	T.	.....	.13	.80	T.	.....	.02	.12	.....	.....	.....	.25	.....	T.	.06	.....	.30	.36	.07	.06	.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.28	2.46
Clear Spring.....	do.....	T.	T.	.20	.09	1.19	T.	.....	.42	.....	.....	.....	.29	T.	.30	T.	.....	.....	.05	.25	.....	.84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.02	3.64	
Coleman.....	do.....	T.	.....	.03	.60	.34	.....	T.	.42	.....	.....	.....	.29	T.	.16	T.	.....	.....	.05	.25	.....	.84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.38	
College Park.....	do.....	.....	.....	.02	.74	.35	.02	.....	.13	.28	.....	.....	.....	.48	.16	T.	.....	.....	.30	.49	.....	.11	.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.06		
Cumberland.....	do.....	T.	.....	.38	.18	.72	.15	.....	T.	.50	.....	.....	.20	.10	.12	T.	.....	.....	.10	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.25	2.86	
Darlington.....	Coast.....	T.	T.	.67	.42	T.	.....	T.	.26	.....	.....	.....	.11	.17	T.	.....	.....	.18	.78	.....	.29	.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.32		
Denton.....	do.....	T.	T.	.04	.50	.30	.....	.....	.26	.42	.....	.....	.....	.11	.14	.....	.....	.....	.44	.89	.....	.45	.13	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	3.68	
Easton.....	do.....	T.	.....	.56	.38	.....	.....	.31	.40	.....	.....	.....	.11	.29	.....	.....	.....	.53	.77	.....	.34	.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.37		
Emmitsburg.....	Potomac.....	T.	.....	.18	.76	.23	.....	T.	.30	.....	.....	.....	.34	.....	.11	.....	.....	.33	.55	.....	.47	.12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.34		
Fallston.....	Coast.....	T.	.....	.04	.70	.35	.....	T.	.01	.20	.....	.....	.....	.20	.30	T.	.....	.....	.50	.48	T.	.46	.20	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	3.44
Frederick.....	Potomac.....	T.	T.	.16	.83	.11	T.	.....	.03	.20	.....	.....	.....	.28	.14	T.	T.	.....	.38	.50	T.	.32	.07	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	3.09	
Frostburg.....	do.....	.06	.....	.50	.85	.15	.32	.....	.17	.32	.....	.....	.....	.04	.36	.....	.08	.....	.03	.15	T.	.35	.12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.15	10	3.80
Great Falls.....	do.....	T.	T.	.15	.65	.13	.....	.06	.06	.....	.....	.....	.02	.35	.03	.....	.....	.60	.....	.10	.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.22		
Green Sp'g Furnace.....	do.....	T.	.....	.22	.92	.05	.....	.....	.08	.24	.....	.....	.....	.27	.01	T.	.....	.....	.17	.46	.08	.41	.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.68	3.67
Keadysville.....	do.....	T.	.....	.10	.75	.02	.....	T.	.20	.....	.....	.....	.30	.10	T.	.05	.....	.25	.45	T.	.32	.07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.05	2.66	
Lake Montebello.....	Coast.....	.....	.....	.02	.58	.30	T.	T.	.04	.14	.....	.....	.....	.22	.15	T.	T.	.51	.22	.....	.34	.09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.04	2.65	
Laurel.....	do.....	.....	.....	.11	.77	.28	.....	T.	.12	.28	.....	.....	.....	.27	.10	.....	.....	.....	.50	.....	.41	.....	.14	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	3.24	
Leonardtown.....	do.....	T.	.....	.73	.38	.....	T.	.52	.29	.....	.....	.....	.07	.20	.....	.....	.....	.50	.....	.....	.27	.72	.01	.22	.08	.....	.....	.....	.....	.....	.....	T.	3.00		
Monrovia.....	Potomac.....	.04	.....	.06	.72	.19	.....	T.	.05	.11	.....	.....	.....	.21	.32	.....	.....	.....	.71	.....	.....	.97	.....	.90	.02	.....	.....	.....	.....	.....	.....	.....	T.	3.79	
Pocomoke City.....	Coast.....	.....	.....	.60	.21	.02	.....	.....	.36	.....	.....	.....	.....	.....	.....	T.	T.	.....	.15	.20	.....	.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.34		
Portobello.....	do.....	T.	.....	.13	.30	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	T.	.....	.67	.....	.76	.19	.21	.29	.03	.....	.....	.....	.....	.....	.....	.....	.....	T.	3.27
Princess Anne.....	do.....	.....	.....	.05	.27	.31	.....	.....	.30	.19	.....	.....	.....	.06	.62	.....	.....	.....	.51	.68	.....	.35	.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	3.70	
Salisbury.....	do.....	.....	.....	.02	.35	.43	.03	.....	.34	.27	.....	.....	.....	.03	.17	T.	.....	.....	.48	.21	T.	.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	2.43		
Solomons.....	do.....	.....	.....	.03	.53	.27	.....	T.	.33	.30	.....	.....	.....	.07	.16	T.	.....	.....	.42	.88	T.	.54	.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	4.13	
Sudlersville.....	do.....	.....	.....	.02	.50	.53	.02	.04	.12	.48	.....	.....	.....	.15	.46	.....	.....	.....	.68	.....	.....	.16	.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.29		
Takoma Park.....	do.....	T.	.....	.12	.62	.25	.....	.15	.26	.....	.....	.....	.18	.....	.28	T.	.17	.....	.64	.31	T.	.42	.16	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	2.95
Towson.....	do.....	.....	.....	.04	.55	.38	T.	.02	.....	.....	.....	.....	.....	.22	.....	T.	.....	.....	.53	.26	.....	.60	.39	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	2.96	
Van Bibber.....	do.....	.....	.....	.06	.70	.40	.....	.....	.....	.....	.....	.....	.....	.35	.....	T.	.28	.....	.17	.....	.....	.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.37		
Westernport.....	Potomac.....	.05	.30	.....	.60	.04	.....	.....	.....	.....	.....	.....	.....	.17																					

## MONTHLY WEATHER REVIEW.

APRIL, 1911

TABLE 3.—*Maximum and minimum temperatures for April, 1911. District No. 1, North Atlantic States.*

Date.	Maine.												Massachusetts.								Connecticut.							
	Eastport.		Greenville.		Orono.		Portland.		Presque Isle.		Rumford.		Concord, N. H.		Amherst.		Boston.		Middle- boro.		Nantucket.		Provi- dence, R. I.		Cream Hill.		Hartford.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	34	22	24	14	37	18	36	23	33	18	29	16	35	23	36	24	40	30	39	27	39	31	36	27	35	20	36	27
2....	24	15	18	3	31	10	29	17	22	3	24	6	30	17	32	19	35	23	35	22	36	27	34	22	38	14	34	21
3....	34	12	23	4	35	9	36	16	32	3	33	10	36	17	42	20	41	24	42	18	36	27	41	22	38	16	42	24
4....	36	20	28	3	39	10	36	22	32	7	38	7	40	15	42	18	39	27	45	15	42	29	42	24	40	28	42	24
5....	36	27	30	23	38	27	34	30	31	22	34	29	37	29	38	30	50	34	51	30	49	37	55	34	33	21	50	32
6....	48	33	53	29	57	32	52	32	47	22	56	30	64	32	68	35	72	49	71	50	55	43	71	50	63	33	69	45
7....	54	35	46	32	57	38	55	36	48	37	48	34	56	36	52	36	52	41	65	49	60	41	64	37	49	36	59	38
8....	44	32	38	24	49	27	46	34	42	26	44	31	49	31	53	28	48	37	53	28	45	38	52	34	45	24	51	34
9....	36	27	34	27	49	28	36	29	36	22	38	30	40	30	44	32	40	31	42	31	38	33	38	31	40	29	42	32
10....	45	27	40	20	49	23	48	28	43	23	44	24	48	28	52	25	53	32	50	24	48	33	51	30	44	21	51	32
11....	38	24	35	18	48	25	44	29	35	18	43	26	47	29	54	24	51	34	51	22	42	22	52	33	46	24	52	31
12....	46	26	50	14	53	18	45	27	47	8	49	18	53	20	58	25	45	34	51	21	46	31	52	29	48	29	57	29
13....	59	29	59	18	64	21	49	30	58	15	57	22	65	23	64	24	58	35	57	20	47	30	48	27	53	30	60	28
14....	51	36	59	33	66	26	53	38	62	24	58	32	58	34	61	37	61	40	59	30	56	36	59	37	43	36	58	39
15....	58	40	49	37	63	38	54	41	54	35	52	34	57	41	60	38	56	45	54	47	47	40	59	44	45	34	58	42
16....	40	33	41	27	58	26	47	34	49	24	44	31	46	32	48	33	50	35	53	29	44	36	47	32	37	30	46	33
17....	54	31	44	28	55	27	51	32	49	28	44	33	48	31	48	30	53	35	50	31	45	36	50	32	48	24	53	32
18....	48	32	40	24	55	26	46	33	46	24	43	29	49	29	56	26	52	33	50	23	44	35	52	30	45	25	53	32
19....	47	32	44	27	54	26	53	33	50	28	53	32	58	28	53	25	56	37	55	24	51	37	52	34	53	31	60	35
20....	40	33	46	28	52	29	42	34	48	26	47	32	47	36	50	35	43	36	46	33	39	33	41	33	45	32	49	36
21....	36	31	34	28	48	35	46	32	44	30	44	33	53	31	58	30	45	34	52	28	45	36	54	32	43	30	57	34
22....	34	31	36	27	39	30	41	30	43	29	41	32	45	29	48	36	41	36	45	29	40	36	42	34	41	32	46	36
23....	36	31	42	28	43	29	38	32	52	26	41	30	45	30	46	34	39	34	38	33	39	36	43	31	43	31	46	35
24....	55	28	58	22	64	21	60	30	61	22	62	30	64	27	68	26	56	36	60	27	64	33	60	30	65	33	63	33
25....	49	36	56	29	64	25	57	32	63	36	61	29	61	33	67	31	71	30	60	66	67	37	67	41	58	32	69	40
Mos.	46.8	30.8	46.9	23.9	55.4	26.4	49.4	32.8	50.4	24.2	49.8	28.4	54.5	30.2	56.4	30.7	54.2	38.0	55.3	30.4	47.9	35.7	54.0	35.0	50.2	30.6	55.8	35.3

Date.	New York.												Pennsylvania.												Atlantic City, N. J.			
	New Haven, Conn.		Addison.		Albany.		Binghamton.		Indian Lake.		Little Falls.		New York.		Everett.		Harrisburg.		Philadelphia.		Scranton.		State College.		Wellsboro.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	39	28	36	18	35	24	32	20	25	17	27	18	40	29	37	21	42	28	44	31	35	23	37	21	35	17	44	30
2....	36	24	35	17	31	20	29	17	20	0	22	12	38	24	52	11	39	23	42	28	34	19	37	15	33	15	41	29
3....	44	25	46	15	37	22	35	21	31	—	32	12	42	28	32	28	30	30	41	32	39	26	39	21	37	33	46	33
4....	40	28	45	22	45	21	36	26	35	—	32	16	39	35	34	29	37	33	40	35	38	30	34	31	38	24	46	37
5....	54	34	64	35	50	32	63	36	38	24	43	25	58	38	66	32	63	34	62	40	64	37	68	33	61	33	52	43
6....	66	48	72	40	65	44	69	43	54	33	51	37	68	53	76	41	73	48	74	51	73	46	70	45	70	33	63	44
7....	65	38	67	36	59	36	63	32	55	32	59	33	63	42	72	39	66	46	77	53	68	55	64	56	68	46	68	46
8....	49	35	49	23	47	31	47	28	40	18	42	24	48	37	50	34	45	33	48	35	50	30	45	25	47	38	49	38
9....	43	31	43	29	42	30	41	31	40	23	43	28	45	34	46	27	48	33	47	33	40	32	45	28	45	34	53	33
10....	54	34	55	25	53	29	48	29	41	15	45	27	54	37	57	37	57	58	59	39	52	32	56	31	54	25	53	33
11....	53	36	58	23	49	29	56	26	48	8	48	24	51	40	56	27	56	55	58	38	57	30	55	31	58	24	47	37
12....	52	31	58	32	55	27	55	35	51	9	52	26	49	39	51	35	54	53	53	55	53	51	51	59	29	46	40	
13....	52	31	62	40	61	34	61	36	55	22	60	28	58	38	60	38	62	58	62	58	62	57	58	56	52	42	52	
14....	54	40	59	51	55	46	58	46	54	35	55	41	57	47	60	50	51	62	50	61	48	58	49	58	48	51	46	56
15....	56	42	61	33	58	38	54	35	50	30	49	33	58	48	59													

TABLE 3.—*Maximum and minimum temperatures for April, 1911. District No. 1—Continued.*

Date.	New Jersey.								Martinsburg, W. Va.	Maryland.								Millsboro, Del.	Washington, D. C.	Virginia.									
	Bridgeton.		Hights- town.		Phillips- burg.		Sussex.			Baltimore.		Darling- ton.		Frederick.		Western- port.					Culpeper.		Fredericks- burg.		Staunton.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			Max.	Min.	Max.	Min.	Max.	Min.				
1.....	47	26	45	25	42	25	38	23	45	27	46	31	44	23	48	26	40	25	52	27	47	30	84	25	53	25	48	29	
2.....	45	27	42	24	39	23	36	19	48	21	45	27	42	24	47	23	45	18	47	28	48	26	47	24	53	26	53	22	
3.....	40	30	47	29	48	28	49	22	34	30	37	32	43	22	43	30	35	30	40	31	41	32	45	32	51	33	35	33	
4.....	40	34	38	33	37	32	38	26	40	33	40	34	40	30	37	32	34	31	68	35	41	34	38	32	41	34	37	31	
5.....	62	40	62	35	61	34	59	31	66	33	63	39	59	40	63	36	70	34	73	44	62	40	61	35	63	38	62	33	
6.....	76	50	74	50	74	48	73	43	78	40	73	55	72	47	77	51	83	34	78	53	80	46	75	48	82	50	78	51	
7.....	64	51	66	51	62	41	63	45	65	42	71	53	67	42	71	49	75	43	69	51	73	52	73	53	78	55	69	55	
8.....	52	40	51	38	46	32	50	31	43	41	53	37	48	38	54	40	53	38	53	38	51	37	55	48	55	39	42	39	
9.....	50	32	47	32	40	32	43	31	52	33	48	34	45	32	50	32	49	34	47	35	49	35	48	34	52	37	52	36	
10.....	60	29	58	29	58	31	52	29	60	31	56	36	58	30	58	28	59	27	61	30	59	31	62	31	59	30	62	28	
11.....	57	30	55	31	58	30	56	25	62	33	58	39	55	35	60	32	59	30	54	30	58	33	59	30	61	30	58	29	
12.....	53	30	53	27	56	27	55	20	57	38	55	36	53	30	58	37	60	38	54	38	57	39	58	40	61	42	49	38	
13.....	68	37	61	32	65	33	51	26	65	40	66	41	65	33	68	40	61	41	64	42	66	43	64	41	70	45	57	41	
14.....	61	49	62	46	59	45	56	43	64	42	63	53	57	38	62	53	68	48	62	54	63	68	66	54	63	44	44	44	
15.....	58	45	56	45	60	41	60	42	62	47	61	47	61	48	62	48	64	44	60	43	61	47	61	46	66	45	60	44	
16.....	53	38	52	36	46	34	50	31	50	38	51	40	56	34	59	36	61	34	54	36	53	39	56	37	59	36	56	40	
17.....	54	30	50	26	52	28	49	25	57	37	55	40	51	30	57	36	56	32	59	31	57	41	61	37	62	34	63	38	
18.....	60	30	60	31	59	32	58	29	65	36	62	39	59	31	64	34	71	29	61	31	64	39	63	32	66	37	65	35	
19.....	64	41	67	36	63	37	68	37	68	38	62	50	59	43	61	44	69	47	65	41	61	53	60	50	62	49	54	48	
20.....	53	41	55	37	53	38	51	35	59	45	57	48	54	42	56	48	60	49	48	39	57	48	56	49	58	47	56	46	
21.....	64	36	60	33	59	35	57	30	62	37	61	47	60	38	64	36	59	30	62	35	64	46	65	35	67	40	64	34	
22.....	50	36	51	37	44	37	49	37	50	39	47	36	54	36	53	40	51	39	48	38	47	37	56	39	57	42	56	39	
23.....	52	32	53	36	53	35	48	32	52	35	51	36	50	32	51	34	48	35	50	35	49	35	48	36	52	37	51	34	
24.....	63	32	65	37	67	37	67	36	66	38	62	41	60	37	62	37	63	28	61	33	61	38	58	32	61	35	60	30	
25.....	72	36	72	38	72	37	73	36	74	35	70	48	70	45	71	33	69	31	74	36	70	39	67	38	72	39	68	32	
26.....	78	38	73	40	75	42	74	40	77	33	72	48	75	40	75	36	76	33	74	36	78	40	75	39	77	36	74	34	
27.....	76	40	77	36	78	40	75	37	78	42	73	49	75	45	78	40	76	37	74	37	75	45	72	39	74	41	71	39	
28.....	76	44	78	40	79	45	77	43	79	47	73	54	72	48	79	47	75	44	76	43	76	53	72	50	74	48	67	50	
29.....	80	48	81	48	84	49	85	45	82	51	71	57	75	43	79	52	76	52	75	49	79	54	76	54	79	55	76	54	
30.....	77	49	80	49	77	50	74	47	82	54	74	57	72	55	81	53	75	54	77	52	78	59	74	57	76	56	74	56	
Mins..	60.2	37.4	59.7	36.2	59.1	35.9	57.8	33.2	61.4	37.9	59.2	42.8	58.6	37.0	61.5	38.7	61.3	36.4	61.5	38.2	60.8	41.5	60.4	39.8	63.6	40.5	59.9	38.7	

<sup>a</sup>, <sup>b</sup>, <sup>c</sup>, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

¶ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.